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Abstract

A flow-control method for data traffic transmitted through SDH network, wherein: during data transmission through the SDH network, the EoS device generates and encapsulates LFP frames, maps the LFP frames into SDH payload, and transmits the SDH payload to the opposite device, which demaps the LFP frames from the SDH payload and executes the flow control information carried in the LFP frames; the carrier of the LFP frames may be standard PAUSE frame structure defined by 802.3x; LFP frame transparent or LFP frame regeneration may be used when the decapsulating part identifies LFP frames; the present invention is a high-performance method for flow control of data transmission, with high applicability and reliability.



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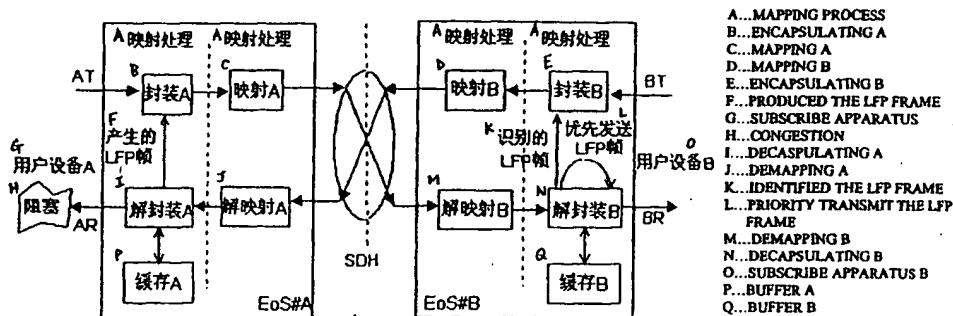
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(54) Title: FLOW CONTROL METHOD OF DATA SERVICE TRANSMISSION IN SDH NETWORK

(54) 发明名称: 同步数字体系网络传输数据业务的流量控制方法



(57) Abstract: The invention relates to the flow control method for transmitting digital information, more particular to the flow control method for transmitting data service through the SDH network, characterized in that during the data transmission through the SDH network the EoS (Ethernet over SDH/SONET) apparatus produces and encapsulates the LFP (line Flow-control Protocol) frame, and maps the LFP frame into the payload of the SDH, then transmits it to the apparatus at the corresponding end between the station points, the apparatus at the corresponding end demaps the LFP frame from the payload of SDH, and executes the flow control information carried in the LFP frame; the carrier of the LFP frame can use the PAUSE frame structure defined by the standard 802.3X; after identified by decapsulating, the LFP frame can be processed by the transparent transmitting mode of the LFP and the reproducing mode of the LFP frame. The invention is the high efficiency method of the network information flow control, with wide adaptability and high stability.



(57) 摘要

一种涉及数字信息传输的用于通过同步数字体系 SDH 网络传输数据业务时的流量控制方法,其特征在于:在同步数字体系 SDH 网络的数据传输中,EoS 设备产生并封装流控协议 LFP 帧,映射进同步数字体系 SDH 净荷中传输到站点之间的对端设备,对端设备从同步数字体系 SDH 净荷中解出流控协议 LFP 帧,并执行流控协议 LFP 帧中携带的流量控制信息;控协议帧的载体可使用标准的 802.3x 定义的 PAUSE 帧结构;解封装在识别出是流控协议 LFP 帧后,可采用流控协议 LFP 透传方式或流控协议 LFP 帧的再生方式处理,本发明是一种高性能的网络信息流控方法,适用性强,工作可靠。